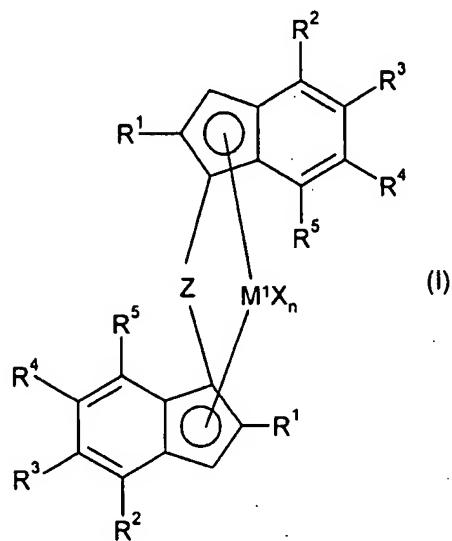


AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph of the Abstract with the following amended paragraph:

Abstract

The present invention relates to ~~organometallic transition metal~~ compounds of the formula (I):



where

M¹ is an element of group 3, 4, 5 or 6 of the Periodic Table of the Elements or the lanthanides,

X are identical or different and are each halogen, hydrogen, C₁-C₂₀-alkyl, C₂-C₂₀-alkenyl, C₆-C₂₂-aryl, alkylaryl or arylalkyl each having from 1 to 10 carbon atoms in the alkyl part and from 6 to 22 carbon atoms in the aryl part, OR⁶ or NR⁶R⁷, where two radicals X may also be joined to one another,

n is a natural number from 1 to 4 which corresponds to the oxidation number of M¹ minus 2,

R¹ is hydrogen or a C₁-C₄₀ radical,

R^2 is a substituted or unsubstituted C_6 - C_{40} -aryl radical or C_2 - C_{40} -heteroaromatic radical containing at least one heteroatom selected from the group consisting of O, N, S and P,

R^3 is hydrogen or a C_1 - C_{40} radical,

or the radicals R^2 and R^3 together form a ring system,

R^4 is hydrogen or a C_1 - C_{40} radical,

R^5 is a C_1 - C_{40} radical,

and

Z is a divalent group $CR^8R^9-CR^{10}R^{11}$, where R^8 , R^9 , R^{10} and R^{11} are identical or different and are each hydrogen or a C_1 - C_{40} radical,

~~bis(cyclopentadienyl) ligand systems having such a substitution pattern, catalyst systems comprising at least one of the organometallic transition metal compounds of the present invention, a process for preparing polyolefins by polymerization or copolymerization of at least one olefin in the presence of one of the catalyst systems of the present invention and the use of the bis(cyclopentadienyl) ligand systems of the present invention for preparing organometallic transition metal compounds.~~